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OM protein - protein search, using sw model

Run on: March 15, 2005, 08:50:58 ; Search time 23 seconds
(without alignments)
51.930 Million cell updates/sec

Title: US-09-897-465-10

Perfect score: 104

Sequence: 1 GCCSLPPCALNPNPYC 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	99	95.2	16	3	US-09-219-446B-9
3	99	95.2	16	3	US-09-219-446B-12
4	95	91.3	16	4	US-09-493-795B-115
5	94	90.4	16	3	US-09-219-446B-11
6	91	87.5	16	4	US-09-493-795B-117
7	83	79.8	16	4	US-09-493-795B-358
8	80	76.9	16	4	US-09-493-795B-67
9	80	76.9	16	4	US-09-493-795B-133
10	79	76.0	16	4	US-09-493-795B-368
11	79	76.0	16	4	US-09-493-795B-125
12	75	72.1	16	4	US-09-493-795B-346
13	75	72.1	16	4	US-09-493-795B-77
14	75	72.1	16	1	US-08-137-800-46
15	75	72.1	16	1	US-08-477-383-46
16	75	72.1	16	1	US-08-487-174-46
17	75	72.1	16	1	US-08-480-750-46
18	74	71.2	16	2	US-08-857-068-2
19	74	71.2	16	3	US-09-219-446B-5
20	74	71.2	16	3	US-09-219-446B-6
21	74	71.2	16	3	US-09-493-795B-61
22	71	68.3	16	4	US-09-493-795B-324
23	70	67.3	16	4	US-09-493-795B-344
24	70	67.3	16	4	US-09-493-795B-87
25	69	66.3	16	4	US-09-493-795B-107
26	68.5	65.9	16	4	US-09-493-795B-278
27	68	65.4	16	4	US-09-493-795B-306

Sequence 282, App
Sequence 149, App
Sequence 4, Appli
Sequence 8, Appli
Sequence 354, App
Sequence 276, App
Sequence 3, Appli
Sequence 151, App
Sequence 274, App
Sequence 366, App
Sequence 280, App
Sequence 338, App
Sequence 63, Appli
Sequence 89, Appli
Sequence 111, App
Sequence 326, App
Sequence 386, App
Sequence 360, App

ALIGNMENTS

RESULT 1

US-09-219-446B-10
; Sequence 10, Application US/09219446B
; Patent No. 6265541
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Siqin
; TITLE OF INVENTION: Uses of Utah Research Foundation
; FILE REFERENCE: Uses of Alpha-Conotoxins
; CURRENT APPLICATION NUMBER: US/09/219,446B
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: A10L derivative
; OTHER INFORMATION: of C. purpurascens Pn1A
US-09-219-446B-10

Query Match 100.0%; Score 104; DB 3; Length 16;
Best Local Similarity 100.0%; Pred. No. 2e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNPNPYC 16

Db 1 GCCSLPPCALNPNPYC 16

RESULT 2

US-09-219-446B-9
; Sequence 9, Application US/09219446B
; Patent No. 6265541
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Siqin
; APPLICANT: University of Utah Research Foundation

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/ TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides
/ FILE REFERENCE: Uses of Alpha-Conotoxins
/ CURRENT APPLICATION NUMBER: US/09/219,446B
/ CURRENT FILING DATE: 1998-12-23
/ PRIOR APPLICATION NUMBER: US 60/080,588
/ PRIOR FILING DATE: 1998-04-03
/ PRIOR APPLICATION NUMBER: US 60/070,153
/ PRIOR FILING DATE: 1997-12-31
/ NUMBER OF SEQ ID NOS: 13
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 9
/ LENGTH: 16
/ TYPE: PRT
/ ORGANISM: Conus purpurascens
US-09-219-446B-9
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Query Match          95.2%; Score 99; DB 3; Length 16;
Best Local Similarity 93.8%; Pred. No. 7.7e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
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Db 1 GCCSLPPCALNNPDYC 16
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RESULT 3
US-09-219-446B-12
/ Sequence 12, Application US/09219446B
/ Patent No. 6265541
/ GENERAL INFORMATION:
/ APPLICANT: Olivera, Baldomero M.
/ APPLICANT: McIntosh, J. Michael
/ APPLICANT: Yoshikami, Doju
/ APPLICANT: Cartier, G. Edward
/ APPLICANT: Luo, Sigin
/ TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides
/ FILE REFERENCE: Uses of Alpha-Conotoxins
/ CURRENT APPLICATION NUMBER: US/09/219,446B
/ CURRENT FILING DATE: 1998-12-23
/ PRIOR APPLICATION NUMBER: US 60/080,588
/ PRIOR FILING DATE: 1998-04-03
/ PRIOR APPLICATION NUMBER: US 60/070,153
/ PRIOR FILING DATE: 1997-12-31
/ NUMBER OF SEQ ID NOS: 13
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 12
/ LENGTH: 16
/ TYPE: PRT
/ ORGANISM: Conus purpurascens
US-09-219-446B-12
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Query Match          95.2%; Score 99; DB 3; Length 16;
Best Local Similarity 93.8%; Pred. No. 7.7e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
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Db 1 GCCSLPPCALNNPDYC 16
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RESULT 4
US-09-493-795B-115
/ Sequence 115, Application US/09493795B
/ Patent No. 6797808
/ GENERAL INFORMATION:
/ APPLICANT: Watkins, Maren
/ APPLICANT: Olivera, Baldomero M.
/ APPLICANT: Hillyard, David R.
/ APPLICANT: McIntosh, J. Michael
/ APPLICANT: Jones, Robert M.
/ TITLE OF INVENTION: Alpha-Conotoxin Peptides
/ FILE REFERENCE: 2314-179.A
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/ CURRENT APPLICATION NUMBER: US/09/493,795B
/ CURRENT FILING DATE: 2000-01-28
/ PRIOR APPLICATION NUMBER: US 60/118,381
/ PRIOR FILING DATE: 1999-01-29
/ NUMBER OF SEQ ID NOS: 404
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 115
/ LENGTH: 56
/ TYPE: PRT
/ ORGANISM: Conus pennaceus
US-09-493-795B-115
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Query Match          91.3%; Score 95; DB 4; Length 56;
Best Local Similarity 87.5%; Pred. No. 7.3e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
   |||||
Db 40 GCCSHPPCAMNPDYC 55
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RESULT 5
US-09-219-446B-11
/ Sequence 11, Application US/09219446B
/ Patent No. 6265541
/ GENERAL INFORMATION:
/ APPLICANT: Olivera, Baldomero M.
/ APPLICANT: McIntosh, J. Michael
/ APPLICANT: Yoshikami, Doju
/ APPLICANT: Cartier, G. Edward
/ APPLICANT: Luo, Sigin
/ APPLICANT: University of Utah Research Foundation
/ TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides
/ FILE REFERENCE: Uses of Alpha-Conotoxins
/ CURRENT APPLICATION NUMBER: US/09/219,446B
/ CURRENT FILING DATE: 1998-12-23
/ PRIOR APPLICATION NUMBER: US 60/080,588
/ PRIOR FILING DATE: 1998-04-03
/ PRIOR APPLICATION NUMBER: US 60/070,153
/ PRIOR FILING DATE: 1997-12-31
/ NUMBER OF SEQ ID NOS: 13
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 11
/ LENGTH: 16
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: N11S derivative
/ OTHER INFORMATION: of C. purpurascens Pn1A
US-09-219-446B-11
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Query Match          90.4%; Score 94; DB 3; Length 16;
Best Local Similarity 87.5%; Pred. No. 3e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
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Db 1 GCCSLPPCALNNPDYC 16
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RESULT 6
US-09-493-795B-117
/ Sequence 117, Application US/09493795B
/ Patent No. 6797808
/ GENERAL INFORMATION:
/ APPLICANT: Watkins, Maren
/ APPLICANT: Olivera, Baldomero M.
/ APPLICANT: Hillyard, David R.
/ APPLICANT: McIntosh, J. Michael
/ APPLICANT: Jones, Robert M.
/ TITLE OF INVENTION: Alpha-Conotoxin Peptides
/ FILE REFERENCE: 2314-179.A
/ CURRENT APPLICATION NUMBER: US/09/493,795B
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; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 117
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Conus pennaceus
US-09-493-795B-117

Query Match 87.5%; Score 91; DB 4; Length 56;
Best Local Similarity 87.5%; Pred. No. 0.00022;
Matches 14; Conservative 0; Mismatches 2; Indels 0;

Qy 1 GCCSLPPCALNNPDYC 16
Db 40 GCCSHPPCFLLNPDYC 55

RESULT 7
US-09-493-795B-358
; Sequence 358, Application US/09493795B
; Patent No. 6797808
; GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Alpha-Conotoxin Peptides
; FILE REFERENCE: 2314-179.A
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 358
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Conus obscurus
US-09-493-795B-358

Query Match 79.8%; Score 83; DB 4; Length 56;
Best Local Similarity 81.2%; Pred. No. 0.002;
Matches 13; Conservative 0; Mismatches 3; Indels 0;

Qy 1 GCCSLPPCALNNPDYC 16
Db 40 GCCSHPPCAQNNQDYC 55

RESULT 8
US-09-493-795B-67
; Sequence 67, Application US/09493795B
; Patent No. 6797808
; GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Alpha-Conotoxin Peptides
; FILE REFERENCE: 2314-179.A
; CURRENT APPLICATION NUMBER: US/09/493,795B
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 56

; TYPE: PRT
; ORGANISM: Conus textile
US-09-493-795B-67

Query Match 76.9%; Score 80; DB 4; Length 56;
Best Local Similarity 75.0%; Pred. No. 0.0045;
Matches 12; Conservative 0; Mismatches 4; Indels 0;

Qy 1 GCCSLPPCALNNPDYC 16
Db 40 GCCSRPFCIANNPDL 55

RESULT 9
US-09-493-795B-133
; Sequence 133, Application US/09493795B
; Patent No. 6797808
; GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Alpha-Conotoxin Peptides
; FILE REFERENCE: 2314-179.A
; CURRENT APPLICATION NUMBER: US/09/493,795B
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 133
; LENGTH: 59
; TYPE: PRT
; ORGANISM: Conus dalli
US-09-493-795B-133

Query Match 76.9%; Score 80; DB 4; Length 59;
Best Local Similarity 75.0%; Pred. No. 0.0047;
Matches 12; Conservative 0; Mismatches 4; Indels 0;

Qy 1 GCCSLPPCALNNPDYC 16
Db 40 GCCSRPFCIANNPDL 55

RESULT 10
US-09-493-795B-368
; Sequence 368, Application US/09493795B
; Patent No. 6797808
; GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Alpha-Conotoxin Peptides
; FILE REFERENCE: 2314-179.A
; CURRENT APPLICATION NUMBER: US/09/493,795B
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 368
; LENGTH: 21
; TYPE: PRT
; ORGANISM: Conus omaria
US-09-493-795B-368

Query Match 76.0%; Score 79; DB 4; Length 21;
Best Local Similarity 75.0%; Pred. No. 0.0024;
Matches 12; Conservative 1; Mismatches 3; Indels 0;

QY 1 GCCSLPPCALNNPDYC 16
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Db 5 GCCSDPSCVNNPDYC 20

RESULT 11
US-09-493-795B-125
; Sequence 125, Application US/09493795B
; Patent No. 6797808
; GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Alpha-Conotoxin Peptides
; FILE REFERENCE: 2314-179.A
; CURRENT APPLICATION NUMBER: US/09/493,795B
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 125
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Conus episcopatous
US-09-493-795B-125

Query Match 76.0%; Score 79; DB 4; Length 56;
Best Local Similarity 75.0%; Pred. No. 0.0059;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
||||| :|||||
Db 40 GCCSDPSCVNNPDYC 55

RESULT 12
US-09-493-795B-346
; Sequence 346, Application US/09493795B
; Patent No. 6797808
; GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Alpha-Conotoxin Peptides
; FILE REFERENCE: 2314-179.A
; CURRENT APPLICATION NUMBER: US/09/493,795B
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 346
; LENGTH: 38
; TYPE: PRT
; ORGANISM: Conus marmoreus
US-09-493-795B-346

Query Match 72.1%; Score 75; DB 4; Length 38;
Best Local Similarity 68.8%; Pred. No. 0.012;
Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
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Db 22 GCCSDPSCVNNPDYC 37

RESULT 13

US-09-493-795B-77
; Sequence 77, Application US/09493795B
; Patent No. 6797808
; GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Alpha-Conotoxin Peptides
; FILE REFERENCE: 2314-179.A
; CURRENT APPLICATION NUMBER: US/09/493,795B
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 77
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Conus bandanus
US-09-493-795B-77

Query Match 72.1%; Score 75; DB 4; Length 60;
Best Local Similarity 68.8%; Pred. No. 0.019;
Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
||||| :|||||
Db 44 GCCSDPSCVNNPDYC 59

RESULT 14
US-08-137-800-46
; Sequence 46, Application US/08137800
; Patent No. 5514774
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Santos, Aneurfin D.
; TITLE OF INVENTION: Conotoxin Peptides
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue N.W., Suite 1000
; CITY: Washington
; STATE: DC
; ZIP: 20005

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/137,800
; FILING DATE: 19-OCT-1993
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-104763
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 65 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO

; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Conus bandanus
US-08-137-800-46

Query Match 72.1%; Score 75; DB 1; Length 65;
Best Local Similarity 68.8%; Pred. No. 0.02;
Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNPDYC 16
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Db 49 GCCSHPCSVNPDIC 64

RESULT 15
US-08-477-383-46
; Sequence 46; Application US/08477383
; Patent No. 5589340
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Hillyard, David R.
; APPLICANT: Macintosh, J. Michael
; APPLICANT: Santos, Ameurfino S.
; TITLE OF INVENTION: Conotoxin Peptides
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,383
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/137,800
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/084,848
; FILING DATE: 29-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-107673
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 65 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Conus bandanus
US-08-477-383-46

Query Match 72.1%; Score 75; DB 1; Length 65;
Best Local Similarity 68.8%; Pred. No. 0.02;
Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNPDYC 16
||||| |::||| |

Db 49 GCCSHPCSVNPDIC 64

Search completed: March 15, 2005, 09:13:58
Job time : 23 sec

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OM protein - protein search, using sw model

Run on: March 15, 2005, 08:50:58 ; Search time 1141 Seconds
(without alignments)
4.625 Million cell updates/sec

Title: US-09-897-465-10

Perfect score: 104

Sequence: 1 GCCSLPPCALNNPDYC 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1396920 seqs, 329844858 residues

Total number of hits satisfying chosen parameters: 1396920

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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5: /cgn2_6/ptodata/1/pubaa/US07_NEW_PUB.pep.*
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16: /cgn2_6/ptodata/1/pubaa/US10D_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/1/pubaa/US11_NEW_PUB.pep.*
19: /cgn2_6/ptodata/1/pubaa/US60_NEW_PUB.pep.*
20: /cgn2_6/ptodata/1/pubaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	104	100.0	16	16	US-10-827-369-10
3	99	95.2	16	9	US-09-897-465-9
4	99	95.2	16	9	US-09-897-465-12
5	99	95.2	16	16	US-10-827-369-9
6	99	95.2	16	16	US-10-827-369-12
7	95	91.3	56	17	US-10-895-372-115
8	94	90.4	16	9	US-09-897-465-11
9	94	90.4	16	16	US-10-827-369-11
10	91	87.5	56	17	US-10-895-372-117
11	83	79.8	56	17	US-10-895-372-358
12	80	76.9	56	17	US-10-895-372-67
13	80	76.9	59	17	US-10-895-372-133

Sequence 368, App
Sequence 125, App
Sequence 346, App
Sequence 77, Appl
Sequence 5, Appl
Sequence 6, Appl
Sequence 61, Appl
Sequence 604, App
Sequence 406, App
Sequence 324, App
Sequence 344, App
Sequence 87, Appl
Sequence 446, App
Sequence 615, App
Sequence 437, App
Sequence 609, App
Sequence 419, App
Sequence 107, App
Sequence 278, App
Sequence 306, App
Sequence 282, App
Sequence 149, App
Sequence 8, Appl
Sequence 617, App
Sequence 8, Appl
Sequence 354, App
Sequence 276, App
Sequence 443, App
Sequence 151, App

ALIGNMENTS

RESULT 1

US-09-897-465-10
; Sequence 10. Application US/09897465
; Patent No. US20020022715A1
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Siqin
; APPLICANT: University of Utah Research Foundation
; TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides
; FILE REFERENCE: Uses of Alpha-Conotoxins
; CURRENT APPLICATION NUMBER: US/09/897,465
; CURRENT FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: A10L derivative
; OTHER INFORMATION: of C. purpurascens PnIA
US-09-897-465-10

Query Match 100.0%; Score 104; DB 9; Length 16;
Best Local Similarity 100.0%; Pred. No. 7.3e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNNPDYC 16
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Db 1 GCCSLPPCALNPDYC 16

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RESULT 2
; Sequence 10, Application US/10827369
; Publication No. US20040192610A1
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Siqin
; TITLE OF INVENTION: University of Utah Research Foundation
; FILE REFERENCE: 2314-278
; CURRENT APPLICATION NUMBER: US/10/827,369
; CURRENT FILING DATE: 2004-04-20
; PRIOR APPLICATION NUMBER: US 09/897,465
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: US 09/219,446
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: A101 derivative
; OTHER INFORMATION: of C. purpurascens PnIA
US-10-827-369-10
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Query Match 100.0%; Score 104; DB 16; Length 16;
Best Local Similarity 100.0%; Pred. No. 7.3e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNPDYC 16
Db 1 GCCSLPPCALNPDYC 16

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RESULT 3
US-09-897-465-9
; Sequence 9, Application US/09897465
; Patent No. US20020022715A1
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Siqin
; TITLE OF INVENTION: University of Utah Research Foundation
; FILE REFERENCE: Uses of Alpha-Conotoxin Peptides
; CURRENT APPLICATION NUMBER: US/09/897,465
; CURRENT FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Conus purpurascens
US-09-897-465-9
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Query Match 95.2%; Score 99; DB 9; Length 16;
Best Local Similarity 93.8%; Pred. No. 3.2e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNPDYC 16
Db 1 GCCSLPPCALNPDYC 16

RESULT 4
US-09-897-465-12
; Sequence 12, Application US/09897465
; Patent No. US20020022715A1
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Siqin
; TITLE OF INVENTION: University of Utah Research Foundation
; FILE REFERENCE: Uses of Alpha-Conotoxin Peptides
; CURRENT APPLICATION NUMBER: US/09/897,465
; CURRENT FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Conus purpurascens
US-09-897-465-12
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Query Match 95.2%; Score 99; DB 9; Length 16;
Best Local Similarity 93.8%; Pred. No. 3.2e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNPDYC 16
Db 1 GCCSLPPCALNPDYC 16

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RESULT 5
US-10-827-369-9
; Sequence 9, Application US/10827369
; Publication No. US20040192610A1
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Siqin
; TITLE OF INVENTION: University of Utah Research Foundation
; FILE REFERENCE: 2314-278
; CURRENT APPLICATION NUMBER: US/10/827,369
; CURRENT FILING DATE: 2004-04-20
; PRIOR APPLICATION NUMBER: US 09/897,465
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: US 09/219,446
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 16
; TYPE: PRT
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; ORGANISM: Conus purpurascens
US-10-827-369-9

Query Match 95.2%; Score 99; DB 16; Length 16;
Best Local Similarity 93.8%; Pred. No. 3.2e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNNPDYC 16
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Db 1 GCCSLPPCAANNPDYC 16

RESULT 6

US-10-827-369-12
; Sequence 12, Application US/10827369

; Publication No. US20040192610A1

; GENERAL INFORMATION:

; APPLICANT: Olivera, Baldomero M.

; APPLICANT: McIntosh, J. Michael

; APPLICANT: Yoshikami, Doju

; APPLICANT: Cartier, G. Edward

; APPLICANT: Luo, Siqin

; APPLICANT: University of Utah Research Foundation

; TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides

; FILE REFERENCE: 2314-278

; CURRENT APPLICATION NUMBER: US/10/827,369

; CURRENT FILING DATE: 2004-04-20

; PRIOR APPLICATION NUMBER: US 09/897,465

; PRIOR FILING DATE: 2001-07-03

; PRIOR APPLICATION NUMBER: US 09/219,446

; PRIOR FILING DATE: 1998-12-23

; PRIOR APPLICATION NUMBER: US 60/080,588

; PRIOR FILING DATE: 1998-04-03

; PRIOR APPLICATION NUMBER: US 60/070,153

; PRIOR FILING DATE: 1997-12-31

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 12

; LENGTH: 16

; TYPE: PRT

; ORGANISM: Conus purpurascens

US-10-827-369-12

Query Match 95.2%; Score 99; DB 16; Length 16;
Best Local Similarity 93.8%; Pred. No. 3.2e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNNPDYC 16
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Db 1 GCCSLPPCALSNPDYC 16

RESULT 7

US-10-895-372-115

; Sequence 115, Application US/10895372

; Publication No. US20050032705A1

; GENERAL INFORMATION:

; APPLICANT: Watkins, Maren

; APPLICANT: Olivera, Baldomero M.

; APPLICANT: Hillyard, David R.

; APPLICANT: McIntosh, J. Michael

; APPLICANT: Jones, Robert M.

; TITLE OF INVENTION: Alpha-Conotoxin Peptides

; FILE REFERENCE: 2314-286

; CURRENT APPLICATION NUMBER: US/10/895,372

; CURRENT FILING DATE: 2004-07-21

; PRIOR APPLICATION NUMBER: US 09/493,795

; PRIOR FILING DATE: 2000-01-28

; PRIOR APPLICATION NUMBER: US 60/118,381

; PRIOR FILING DATE: 1999-01-29

; NUMBER OF SEQ ID NOS: 404

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 115

; LENGTH: 56
; TYPE: PRT
; ORGANISM: Conus pennaceus
US-10-895-372-115

Query Match 91.3%; Score 95; DB 17; Length 56;
Best Local Similarity 87.5%; Pred. No. 3.4e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNNPDYC 16
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Db 40 GCCSHPPCAANNPDYC 55

RESULT 8

US-09-897-465-11

; Sequence 11, Application US/09897465

; Patent No. US20020022715A1

; GENERAL INFORMATION:

; APPLICANT: Olivera, Baldomero M.

; APPLICANT: McIntosh, J. Michael

; APPLICANT: Yoshikami, Doju

; APPLICANT: Cartier, G. Edward

; APPLICANT: Luo, Siqin

; APPLICANT: University of Utah Research Foundation

; TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides

; FILE REFERENCE: Uses of Alpha-Conotoxins

; CURRENT APPLICATION NUMBER: US/09/897,465

; CURRENT FILING DATE: 2001-07-03

; PRIOR APPLICATION NUMBER: US 60/080,588

; PRIOR FILING DATE: 1998-04-03

; PRIOR APPLICATION NUMBER: US 60/070,153

; PRIOR FILING DATE: 1997-12-31

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 11

; LENGTH: 16

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: N11S derivative

; OTHER INFORMATION: of C. purpurascens Pn1A

US-09-897-465-11

Query Match 90.4%; Score 94; DB 9; Length 16;
Best Local Similarity 87.5%; Pred. No. 1.4e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNNPDYC 16
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Db 1 GCCSLPPCAASNPDYC 16

RESULT 9

US-10-827-369-11

; Sequence 11, Application US/10827369

; Publication No. US20040192610A1

; GENERAL INFORMATION:

; APPLICANT: Olivera, Baldomero M.

; APPLICANT: McIntosh, J. Michael

; APPLICANT: Yoshikami, Doju

; APPLICANT: Cartier, G. Edward

; APPLICANT: Luo, Siqin

; APPLICANT: University of Utah Research Foundation

; TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides

; FILE REFERENCE: 2314-278

; CURRENT APPLICATION NUMBER: US/10/827,369

; CURRENT FILING DATE: 2004-04-20

; PRIOR APPLICATION NUMBER: US 09/897,465

; PRIOR FILING DATE: 2001-07-03

; PRIOR APPLICATION NUMBER: US 09/219,446

; PRIOR FILING DATE: 1998-12-23

; PRIOR APPLICATION NUMBER: US 60/080,588

; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: N11S derivative
; OTHER INFORMATION: of C. purpurascens Pn1A
US-10-827-369-11

Query Match 90.4%; Score 94; DB 16; Length 16;
Best Local Similarity 87.5%; Pred. No. 1.4e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
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Db 1 GCCSLPPCAASNPDC 16

RESULT 10
US-10-895-372-117
; Sequence 117, Application US/10895372
; Publication No. US20050032705A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Alpha-Conotoxin Peptides
; FILE REFERENCE: 2314-286
; CURRENT APPLICATION NUMBER: US/10/895,372
; PRIOR FILING DATE: 2004-07-21
; PRIOR APPLICATION NUMBER: US 09/493,795
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 117
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Conus pennaceus
US-10-895-372-117

Query Match 87.5%; Score 91; DB 17; Length 56;
Best Local Similarity 87.5%; Pred. No. 0.00011;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
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Db 40 GCCSHPPCFLNPDYC 55

RESULT 11
US-10-895-372-358
; Sequence 358, Application US/10895372
; Publication No. US20050032705A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Alpha-Conotoxin Peptides
; FILE REFERENCE: 2314-286
; CURRENT APPLICATION NUMBER: US/10/895,372
; PRIOR FILING DATE: 2004-07-21
; PRIOR APPLICATION NUMBER: US 09/493,795

; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 358
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Conus obscurus
US-10-895-372-358

Query Match 79.8%; Score 83; DB 17; Length 56;
Best Local Similarity 81.2%; Pred. No. 0.0012;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
||||| :|||
Db 40 GCCSHPPCAQNNDYC 55

RESULT 12
US-10-895-372-67
; Sequence 67, Application US/10895372
; Publication No. US20050032705A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Alpha-Conotoxin Peptides
; FILE REFERENCE: 2314-286
; CURRENT APPLICATION NUMBER: US/10/895,372
; CURRENT FILING DATE: 2004-07-21
; PRIOR APPLICATION NUMBER: US 09/493,795
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Conus textile
US-10-895-372-67

Query Match 76.9%; Score 80; DB 17; Length 56;
Best Local Similarity 75.0%; Pred. No. 0.0029;
Matches 12; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
||||| :|||
Db 40 GCCSRPPCIANNPDLC 55

RESULT 13
US-10-895-372-133
; Sequence 133, Application US/10895372
; Publication No. US20050032705A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Alpha-Conotoxin Peptides
; FILE REFERENCE: 2314-286
; CURRENT APPLICATION NUMBER: US/10/895,372
; CURRENT FILING DATE: 2004-07-21
; PRIOR APPLICATION NUMBER: US 09/493,795
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; *PRIOR FILING DATE: 1999-01-29

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; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 133
; LENGTH: 59
; TYPE: PRT
; ORGANISM: Conus dalli
US-10-895-372-133

Query Match          76.9%; Score 80; DB 17; Length 59;
Best Local Similarity 75.0%; Pred. No. 0.0031;
Matches 12; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNPDYC 16
   ||||| ||| |||||
Db 40 GCCSRPPCIANNPDLC 55

RESULT 14
US-10-895-372-368
; Sequence 368, Application US/10895372
; Publication No. US20050032705A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Alpha-Conotoxin Peptides
; FILE REFERENCE: 2314-286
; CURRENT APPLICATION NUMBER: US/10/895,372
; CURRENT FILING DATE: 2004-07-21
; PRIOR APPLICATION NUMBER: US 09/493,795
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 368
; LENGTH: 21
; TYPE: PRT
; ORGANISM: Conus omaria
US-10-895-372-368

Query Match          76.0%; Score 79; DB 17; Length 21;
Best Local Similarity 75.0%; Pred. No. 0.0016;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNPDYC 16
   ||||| ||| |||||
Db 5 GCCSDPRCNCVNNPDYC 20

RESULT 15
US-10-895-372-125
; Sequence 125, Application US/10895372
; Publication No. US20050032705A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Alpha-Conotoxin Peptides
; FILE REFERENCE: 2314-286
; CURRENT APPLICATION NUMBER: US/10/895,372
; CURRENT FILING DATE: 2004-07-21
; PRIOR APPLICATION NUMBER: US 09/493,795
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,381
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 404
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 125

; LENGTH: 56
; TYPE: PRT
; ORGANISM: Conus episcopatus
US-10-895-372-125

Query Match          76.0%; Score 79; DB 17; Length 56;
Best Local Similarity 75.0%; Pred. No. 0.0039;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNPDYC 16
   ||||| ||| |||||
Db 40 GCCSDPRCNCVNNPDYC 55

Search completed: March 15, 2005, 09:13:30
Job time : 1142 secs
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